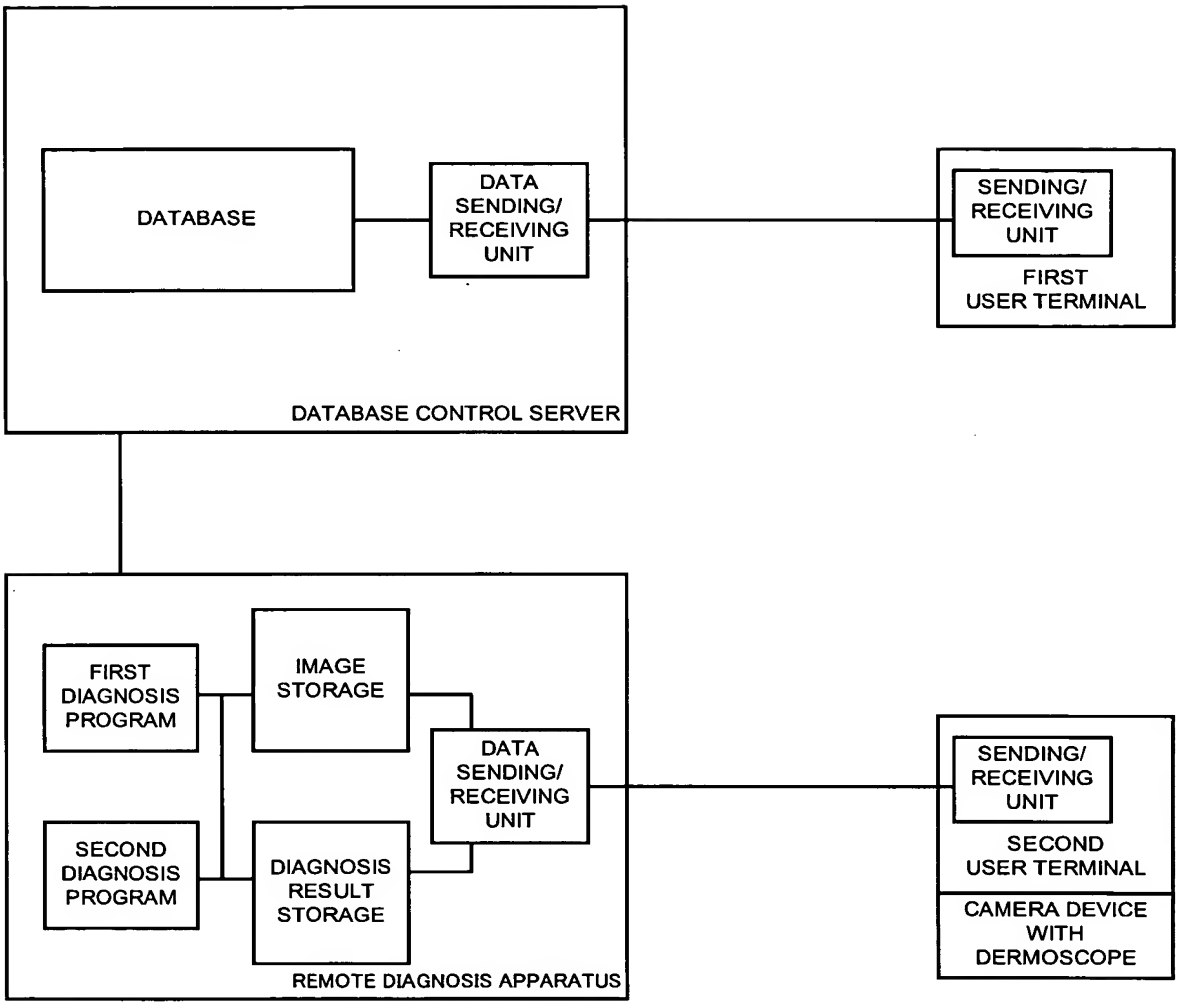

DATABASE
DATA SENDING/ RECEIVING UNIT
DATABASE CONTROL SERVER
SENDING/ RECEIVING UNIT
FIRST USER TERMINAL
FIRST DIAGNOSIS PROGRAM
IMAGE STORAGE
DATA SENDING/ RECEIVING UNIT
SECOND DIAGNOSIS PROGRAM
DIAGNOSIS RESULT STORAGE
REMOTE DIAGNOSIS APPARATUS
SENDING/ RECEIVING UNIT
SECOND USER TERMINAL
CAMERA DEVICE WITH DERMOSCOPE

FIG. 1

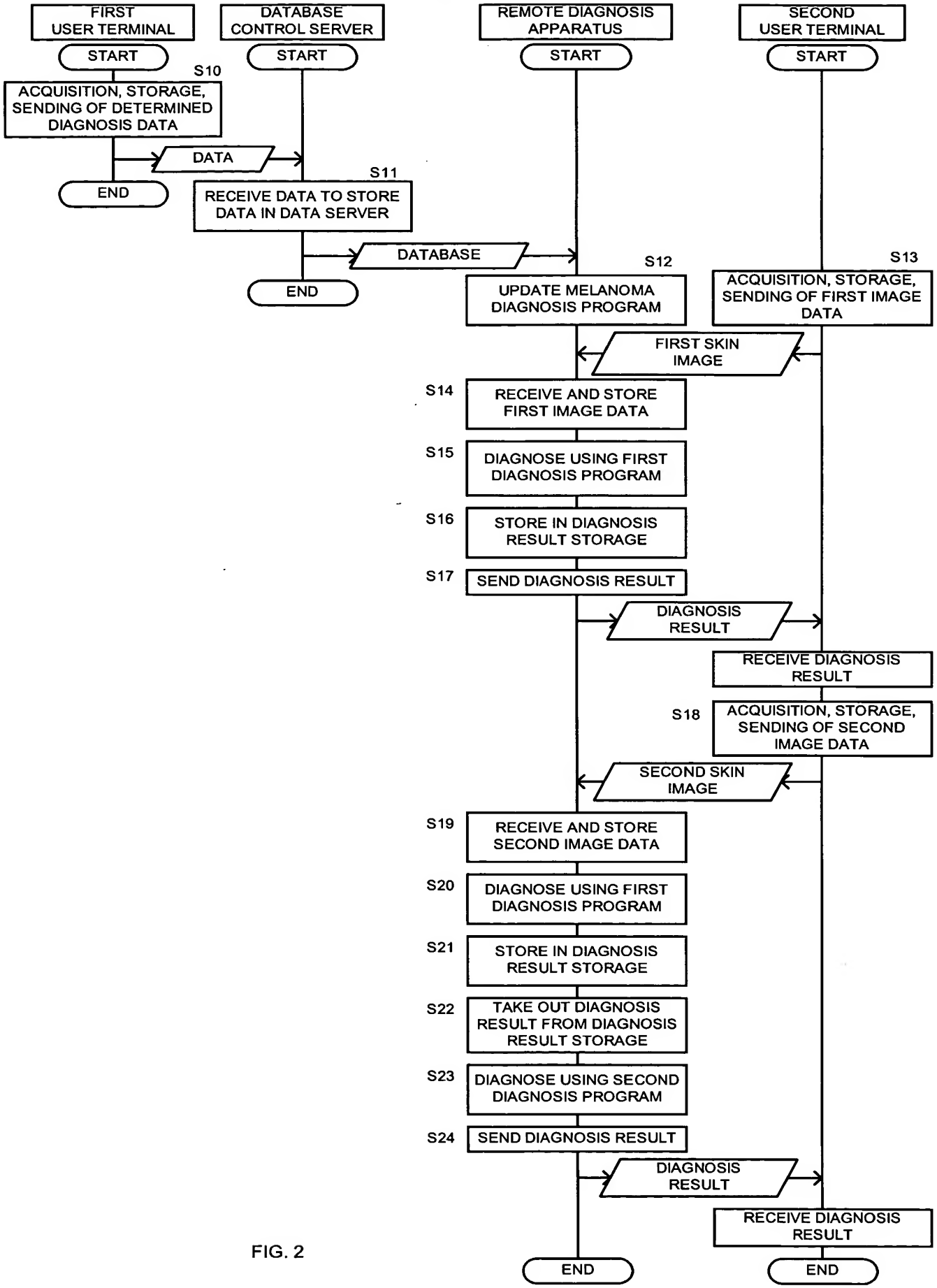
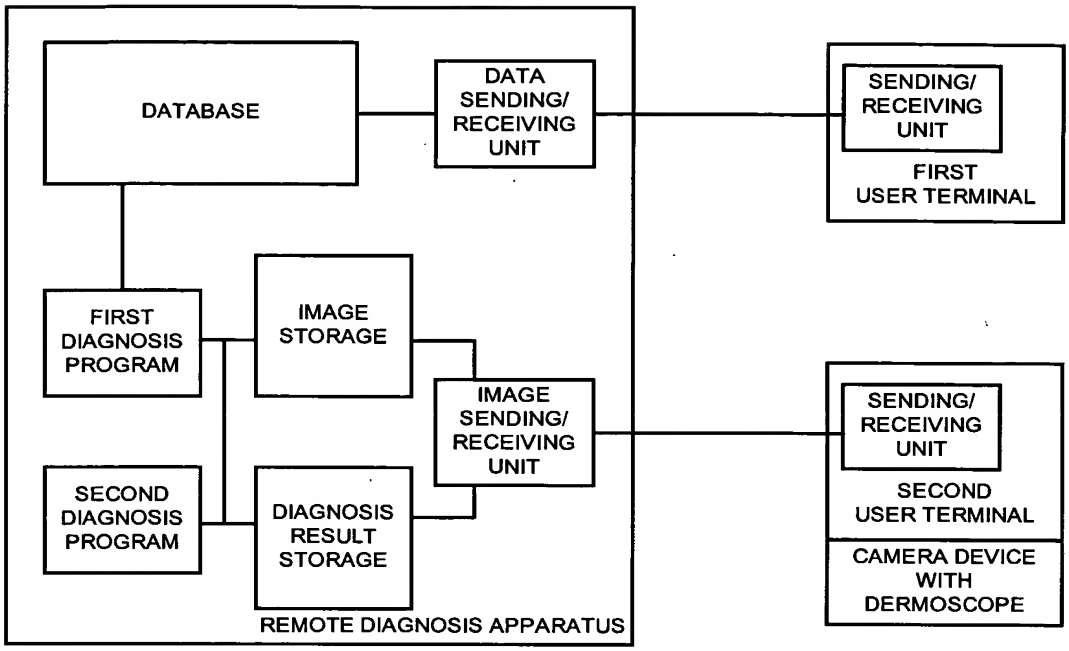

FIRST USER TERMINAL
DATABASE CONTROL SERVER
REMOTE DIAGNOSIS APPARATUS
SECOND USER TERMINAL
START
START
START
START
S10
ACQUISITION, STORAGE, SENDING OF DETERMINED DIAGNOSIS DATA
DATA
END
S11
RECEIVE DATA TO STORE DATA IN DATA SERVER
DATABASE
END
S12
UPDATE MELANOMA DIAGNOSIS PROGRAM
S13
ACQUISITION, STORAGE, SENDING OF FIRST IMAGE DATA
FIRST SKIN IMAGE
S14
RECEIVE AND STORE FIRST IMAGE DATA
S15
DIAGNOSE USING FIRST DIAGNOSIS PROGRAM
S16
STORE IN DIAGNOSIS RESULT STORAGE
S17
SEND DIAGNOSIS RESULT
DIAGNOSIS RESULT
RECEIVE DIAGNOSIS RESULT
S18
ACQUISITION, STORAGE, SENDING OF SECOND IMAGE DATA
SECOND SKIN IMAGE
S19
RECEIVE AND STORE SECOND IMAGE DATA
S20
DIAGNOSE USING FIRST DIAGNOSIS PROGRAM
S21
STORE IN DIAGNOSIS RESULT STORAGE
S22
TAKE OUT DIAGNOSIS RESULT FROM DIAGNOSIS RESULT STORAGE
S23
DIAGNOSE USING SECOND DIAGNOSIS PROGRAM
S24
SEND DIAGNOSIS RESULT
DIAGNOSIS RESULT
RECEIVE DIAGNOSIS RESULT
END
END

FIG. 2

A.


DATABASE
DATA SENDING/ RECEIVING UNIT
SENDING/ RECEIVING UNIT
FIRST USER TERMINAL
FIRST DIAGNOSIS PROGRAM
IMAGE STORAGE
IMAGE SENDING/ RECEIVING UNIT
SECOND DIAGNOSIS PROGRAM
DIAGNOSIS RESULT STORAGE
SENDING/ RECEIVING UNIT
SECOND USER TERMINAL
CAMERA DEVICE WITH DERMOSCOPE
REMOTE DIAGNOSIS APPARATUS

B.

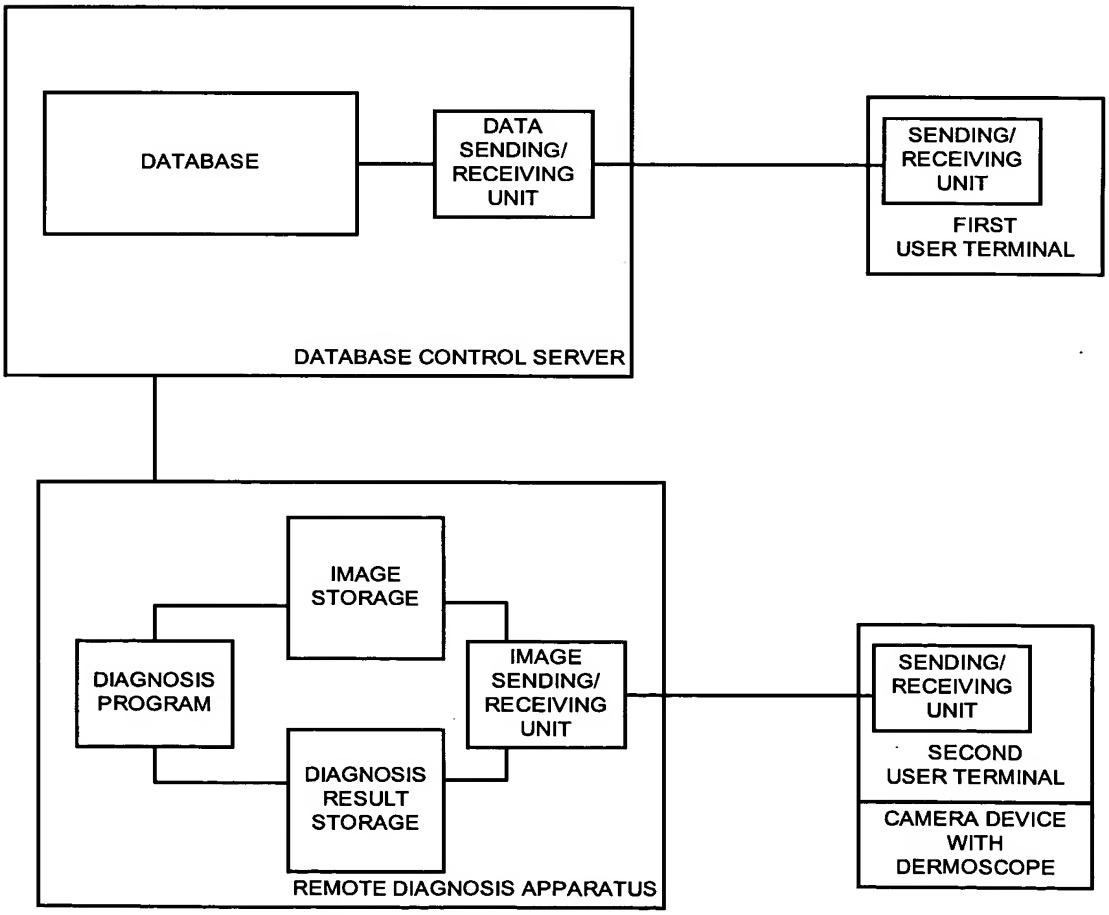

DATABASE
DATA SENDING/ RECEIVING UNIT
SENDING/ RECEIVING UNIT
FIRST USER TERMINAL
DATABASE CONTROL SERVER
IMAGE STORAGE
DIAGNOSIS PROGRAM
IMAGE SENDING/ RECEIVING UNIT
DIAGNOSIS RESULT STORAGE
SENDING/ RECEIVING UNIT
SECOND USER TERMINAL
CAMERA DEVICE WITH DERMOSCOPE
REMOTE DIAGNOSIS APPARATUS

FIG. 3

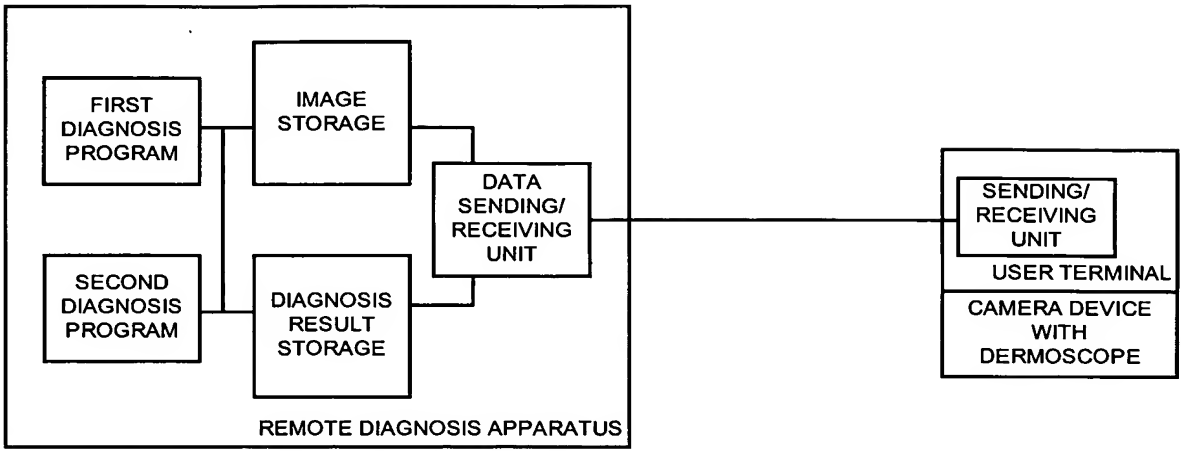

FIRST DIAGNOSIS PROGRAM
IMAGE STORAGE
DATA SENDING/ RECEIVING UNIT
SECOND DIAGNOSIS PROGRAM
DIAGNOSIS RESULT STORAGE
REMOTE DIAGNOSIS APPARATUS
SENDING/ RECEIVING UNIT
USER TERMINAL
CAMERA DEVICE WITH DERMOSCOPE

FIG. 4

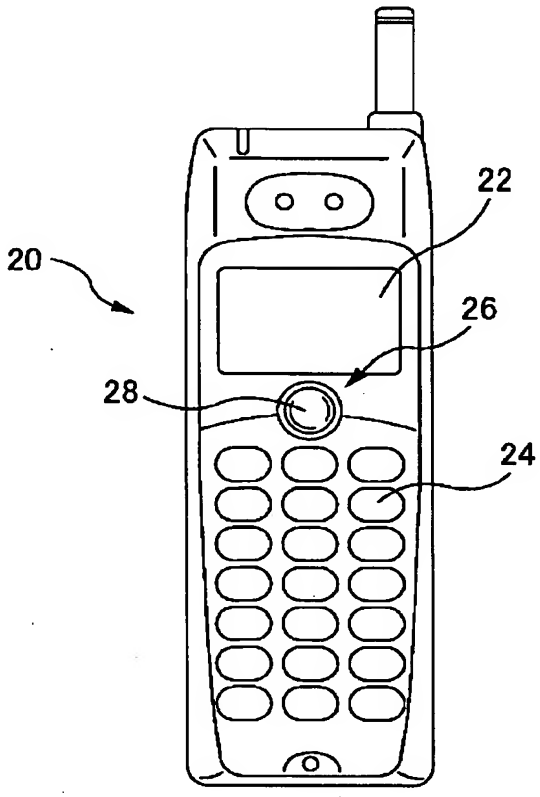

20
22
26
28
24

FIG. 5

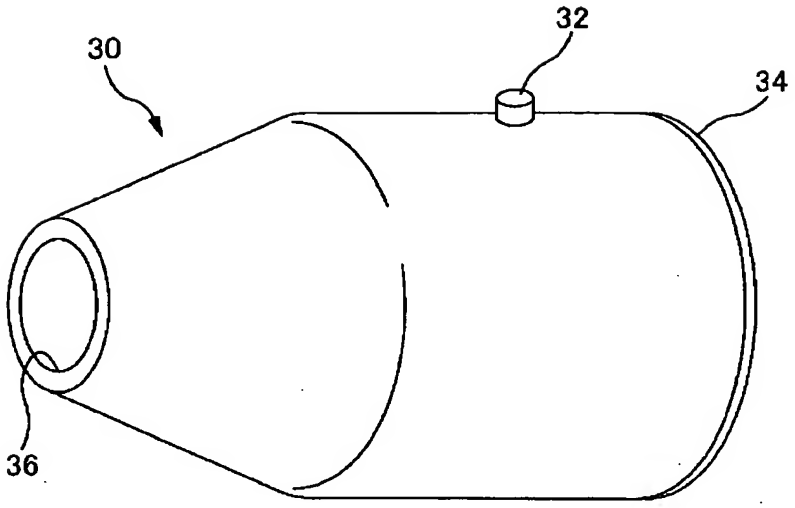


FIG. 6

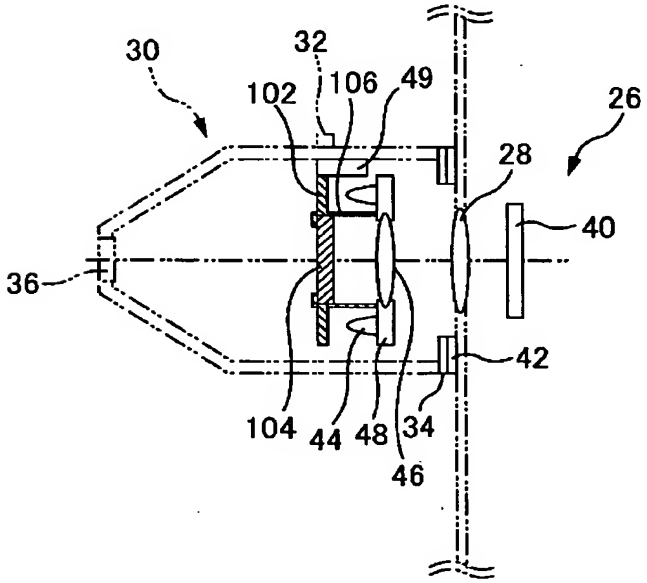


FIG. 7

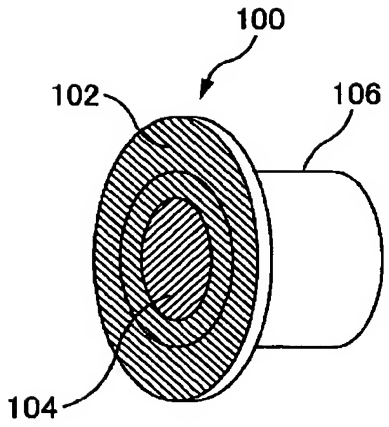


FIG. 8

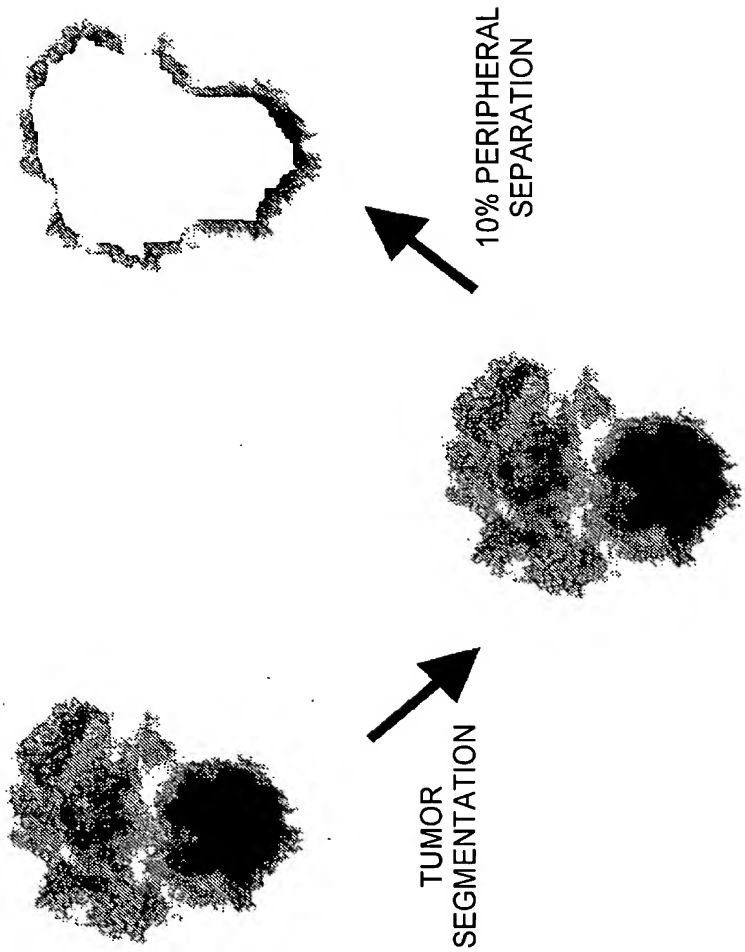
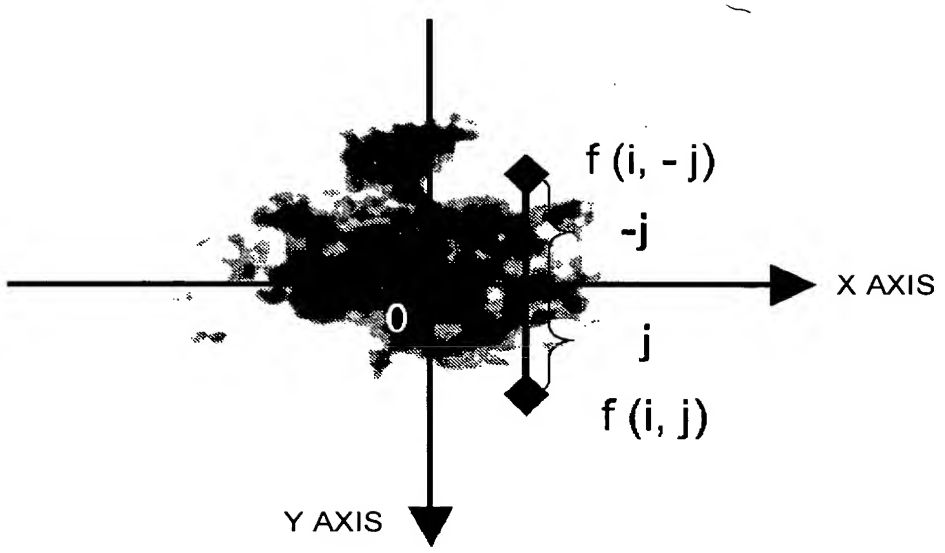


FIG. 9



$$\text{ASYMMETRY} = \frac{\sum_i \sum_j |f(i,-j) - f(i,j)|}{\sum_i \sum_j (f(i,-j) + f(i,j))}$$

FIG. 10